

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

- 1-4. (Cancelled)
5. (Previously Presented) A catalyst consisting essentially of
- (A) at least one matrix that consists of alumina, silica, silica-alumina, clay, magnesia, titanium oxide, zirconium oxide, or boron oxide,
- (B) rhenium in an amount of 10 to 20 wt% based on the total catalyst mass,
- (C) nickel,
- (D) molybdenum,
- (E) optionally, at least one element from group VIIA, and
- (F) phosphorus deposited on the matrix.
- 6-7. (Cancelled)
8. (Previously Presented) A catalyst according to claim 22, in which said group VIIA element is fluorine.
9. (Previously Presented) A catalyst consisting essentially of in weight % with respect to the total catalyst mass:
- (A) 10-20 % of rhenium;
- (B) 0.01% to 99.7% of at least one matrix that consists of alumina;
- (C) 0.01% to 50% of nickel;
- (D) 0.01 to 20% of phosphorus deposited on the at least one matrix;
- (E) up to 15% of at least one group VIIA element.
10. (Previously Presented) A process for hydrotreating a hydrocarbon feed, comprising contacting a hydrocarbon feed with a catalyst according to claim 22.

11. (Cancelled)
12. (Previously Presented) A process according to claim 10, in which the hydrocarbon feed is selected from the group consisting of gasolines, gas oils, vacuum gas oils, residues which may or may not be deasphalted, paraffin oils, waxes and paraffins and said hydrocarbon feed may optionally contain at least one heteroatom such as sulphur, oxygen or nitrogen and at least one metal.
13. (Previously Presented) A process according to claim 10 performed prior to hydrocracking the hydrocarbon feed.
14. (Previously Presented) A process according to claim 10 wherein the catalyst has been sulphurised.
- 15-16. (Cancelled)
17. (Previously Presented) A catalyst according to claim 5 in which the group VIIA element is fluorine.
18. (Previously Presented) A process for the hydrotreating of hydrocarbon feeds, comprising contacting a hydrocarbon feed with a catalyst according to claim 9.
19. (Previously Presented) A process for the hydrotreating of hydrocarbon feeds, comprising contacting a hydrocarbon feed with a catalyst according to claim 5.
20. (Cancelled)
21. (Previously Presented) A process for the hydrotreating of hydrocarbon feeds, comprising contacting a hydrocarbon feed with a catalyst according to claim 30.

22. (Previously Presented) A catalyst consisting essentially of
- (A) at least one matrix that consists of alumina,
  - (B) rhenium in an amount of 10 to 20 wt% based on the total catalyst mass,
  - (C) nickel,
  - (D) molybdenum,
  - (E) optionally, at least one element from group VIIA, and
  - (F) phosphorus deposited on the matrix.

23-29. (Cancelled)

30. (Previously Presented) A catalyst comprising
- (A) at least one matrix that consists of alumina, silica, silica-alumina, clay, magnesia, titanium oxide, zirconium oxide, or boron oxide,
  - (B) rhenium in an amount of 10 to 20 wt% based on the total catalyst mass,
  - (C) nickel,
  - (D) molybdenum,
  - (E) optionally, at least one element from group VIIA, and
  - (F) phosphorus deposited on the matrix.

31. (Previously Presented) A catalyst according to claim 5, wherein rhenium is present in an amount of 10-15 wt% based on the total catalyst mass.

32. (Previously Presented) A catalyst according to claim 9, wherein rhenium is present in an amount of 10-15 wt% based on the total catalyst mass.

33. (Previously Presented) A catalyst according to claim 22, wherein rhenium is present in an amount of 10-15 wt% based on the total catalyst mass.

34. (Previously Presented) A catalyst according to claim 30, wherein rhenium

is present in an amount of 10-15 wt% based on the total catalyst mass.

35. (Previously Presented) A catalyst according to claim 5, wherein molybdenum is present in an amount of 0.1-5 wt% based on the total catalyst mass.

36. (Previously Presented) A catalyst according to claim 9, wherein molybdenum is present in an amount of 0.1-5 wt% based on the total catalyst mass.

37. (Previously Presented) A catalyst according to claim 22, wherein molybdenum is present in an amount of 0.1-5 wt% based on the total catalyst mass.

38. (Previously Presented) A catalyst according to claim 30, wherein molybdenum is present in an amount of 0.1-5 wt% based on the total catalyst mass.

39. (Cancelled)